

WE CLAIM:

1. A dusting device comprising:

- a housing;
 - at least one powder gas delivery device which discharges a powder gas jet onto a surface of products moved in one conveyor direction; and
 - a suction device for unused powder gas, whereby at least one housing wall is permeable for an airstream;
- in which at least one permeable housing wall has an air-permeable filter mat arrangement.

2. A dusting device according to claim 1, in which the airstream is moved by means of at least one fan through the filter mat arrangement.

3. A dusting device according to claim 1, in which several fans are arranged transversally to the conveying direction of the products.

4. A dusting device according to claim 1, in which the airstream flows mainly parallel to the powder gas jet.

5. A dusting device according to claim 1, in which the air-permeable filter mat arrangement is held by a mat holder formed as a grid.

6. A dusting device according to claim 1, in which the air-permeable filter mat arrangement can be replaced.

7. A dusting device according to claim 1, in which the filter mat arrangement has a number of filter mats arranged directly next to each other.

8. A dusting device according to claim 1, in which the filter mat arrangement consists of a polyester material.

9. A dusting device according to claim 8, in which the filter mat arrangement has a material thickness of 10-30 mm.

10. A dusting device according to claim 9, in which the filter mat arrangement has a thickness of 15-20 mm.

11. A dusting device according to claim 8, in which the filter mat arrangement has a weight per m² of 150-200g.

12. A dusting device according to claim 11, in which the filter mat arrangement has a weight per m² of 180g.

13. A dusting device according to claim 8, in which the filter mat arrangement has an initial pressure differential of 25-45 Pa.

14. A dusting device according to claim 13, in which the filter mat arrangement has an initial pressure differential of 30-40 Pa.

